

CHAPTER 9

NAUTICAL CHARTS AND RELATED PUBLICATIONS

1) COAST GUARD LOCAL NOTICE TO MARINERS

Mariners in California waters should rely on the Eleventh Coast Guard District Local Notice to Mariners (LNM) as the **PRIMARY** source of marine information, with Broadcast Notice to Mariners (BNM) providing supplementary information. The LNM is a weekly free publication available upon request.

A comprehensive LNM is printed the first week of every month. It will contain all current information and notices affecting the Federal waterways of California, Nevada, Arizona, and Utah. During the remainder of the month, a weekly supplement will provide any new information for that week. It is important to read all LNMs and keep them in a place where they are easily accessible. If you need a back copy of any LNM, call or write to the address below. The LNM contains important information concerning aids to navigation, nautical chart changes, Light List changes, hazards to navigation, military operations, and nautical publication changes.

The Eleventh District LNM can be downloaded from the internet **ONLY** at <http://www.navcen.uscg.gov/lnm/d11>

2) OTHER PACIFIC AREA LOCAL NOTICE TO MARINERS

If you are planning to voyage outside the Eleventh Coast Guard District (California, Arizona, Nevada, and Utah), prior to departing you should contact the applicable Coast Guard District in order to receive their Local Notice to Mariners. The following is a list of Pacific Area Coast Guard Districts and their area of coverage:

Oregon, Washington, Idaho & Montana

Commander (oan)
Thirteenth Coast Guard District
915 Second Ave
Seattle, WA 98174-1067
(206) 220-7270

Alaska

Commander (oan)
Seventeenth Coast Guard District
P O Box 25517
Juneau, AK 99802-5517
(907) 463-2251

Hawaii, American Samoa, Marshall, Marianas Island, Caroline Island, Subic Bay, Phillipines, and Guam

Commander (oan)
Fourteenth Coast Guard District
300 Ala Moana Blvd
Honolulu HI 96850-4982
(808) 541-2317

All Districts LNM's can be found at <http://www.navcen.uscg.gov/lnm/>.

3) CANADA

National Weekly Notice to Mariners

(Equivalent of U. S. NIMA Weekly Notice to Mariners)

Written Weekly Notice to Shipping

(Equivalent of U.S. Local Notice to Mariners):

British Columbia

TRANSPORT CANADA
Marine Navigation Services Directorate
Canadian Coast Guard
AMAEI Information Services
344 Slater Street (6th Floor)
Ottawa ONT
K1A 0N7 Canada
(613) 990-3017

District Manager
Canadian Coast Guard
Marine Navigation Services
25 Huron St
Victoria BC
V8V 4V9 Canada
(604) 363-3186

4) NATIONAL IMAGERY and MAPPING AGENCY (NIMA)

The National Imagery and Mapping Agency (NIMA) provides hydrographic, navigational, topographic, and geodetic data, charts, maps, and related products and services to the Armed Forces, other Federal agencies, the Merchant Marine and mariners in general. Publications include Sailing Directions (pilots), List of Lights, Table of Distances, Radio Navigational Aids, International Code of Signals, American Practical Navigator (Bowditch) and Notices to Mariners.

NIMA WEEKLY NOTICE TO MARINERS

Subscriptions are limited to bona fide mariners who, when submitting requests, must include a sound justification for the worldwide coverage provided by this publication. The Notice to Mariners is issued free of charge; however, subscribers outside the continental United States must pay for shipping costs.

NIMA SUMMARY OF CORRECTIONS

Notice to Mariners chart and publication corrections are compiled in the Summary of Corrections published by the National Imagery and Mapping Agency. Those corrections effective since 5 July 1975 are included in Volume 4 of the Summary of Corrections. All corrections subsequent to that date which remain effective, appear in each issue. The Summary of Corrections Volume 5 contains corrections for World and Ocean Basin Charts, U.S. Coast Pilots, Sailing Directions, Fleet Guides, and other miscellaneous publications. Each volume is published semi-annually and may be purchased individually or on an annual subscription basis. The cost of an annual subscription to each volume is two times the issue price. Subscribers outside the continental United States must also pay for shipping costs.

AUTOMATED NOTICE TO MARINERS

The National Imagery and Mapping Agency (NIMA) provides a computer accessed service as a source of up to date marine information for the user called the Automated Notice to Mariners System (NAVINFONET). To gain access to the ANMS, permission must be granted and a user identification code assigned. This may be done by writing to the National Imagery and Mapping Agency at the following address:

Director
NIMA Hydrographic/Topographic Center
Code: MCN
Washington DC 20315-0030
(301) 227-3296

5) ORDERING NIMA PUBLICATIONS

NIMA Sales Agents are the prime source of supply for items listed in the NIMA Catalog. Sales Agents are located in many seaports throughout the world. For further information contact:

DIRECTOR
NIMA Combat Support Center
ATTN: PMSR
Washington DC 20315-0010
1-800-USA-MAPS, or
1-800-826-0342

Some hydrographic products are unavailable through the NIMA and must be purchased through the National Ocean Service (see below).

6) LIGHT LIST

The Light List consists of 6 volumes and describes all lights, buoys, radiobeacons, and other marine aids to navigation maintained by or under authority of the U.S. Coast Guard. Many privately owned and maintained aids are listed in this publication as well. California is found in *Volume VI, Pacific Coast and Pacific Islands*. The aids are listed in geographical order with the aid's proper name, its light characteristic, a brief description of the aid's structure, the height of the light above the water, the range of the light, and other pertinent information. The Light Lists are Coast Guard publications available through the Government Printing Office or private merchants. They are not available through the National Ocean Service.

NOTE: A similar publication is produced and distributed by NIMA called the List of Lights. It consists of seven volumes, covers the entire world with the exception of those areas covered by the Light List, and gives similar information about international aids to navigation. *Pub 111, The West Coasts of North and South America, Australia, Tasmania, New Zealand, and the Islands of the North and South Pacific Oceans* includes Mexico and British Columbia. All versions can be found online at http://pollux.nss.nima.mil/pubs/USCGLL/pubs_j_uscgl_l_list.html.

7) NATIONAL OCEAN SERVICE/NOAA

ORDERING NATIONAL OCEAN SERVICE CHARTS AND PUBLICATIONS

Sales Agents of the National Ocean Service for charts, Coast Pilots, Tide Tables, Tidal Current Tables, Tidal Current Diagrams, and Tidal Current Charts are located in many U.S. ports and in some foreign ports. A list of NOS Sales Agents is included at the end of this issue.

NOS charts and publications may be ordered directly from NOS. Send orders to:

National Ocean Service/NOAA
Distribution Branch (N/CG33)
6501 Lafayette Avenue
Riverdale, MD 20737
(301) 436-6990
FAX: (301) 436-6829

National Ocean Service/NOAA
Chart Sales & Distribution Branch
222 W 7th Ave #38
Anchorage, AK 99513-7574
(907) 271-4356
FAX: (907) 271-4356

THE NATIONAL OCEAN SERVICE COAST PILOTS

The Coast Pilot published by the National Ocean Service (NOS) is a series of nine nautical books covering a wide variety of information. The California coast is described in detail in *Coast Pilot 7, Pacific Coast: California, Oregon, Washington, and Hawaii*. Most of the information contained in the Coast Pilot cannot be shown graphically on standard nautical charts and is not readily available elsewhere. Subjects include navigation regulations, general information on ports and harbors, outstanding landmarks, channel and anchoring peculiarities, danger, weather, ice, freshets, routes, pilotage and port facilities.

Coast Pilots are continually updated when something affecting the safety of navigation in an area described by the publication is reported. These corrections are published in the Local Notice to Mariners, and the NIMA Weekly Notice to Mariners. Report errors and omissions noted in the applicable Coast Pilot to NOS by mailing the form located in the back of the publication to:

National Ocean Service, NOAA (N/CS 26)
1315 East-West Highway, Station 7349
Silver Spring, MD 20910-3282
Fax: (301) 731-4516

8) INLAND AND INTERNATIONAL "RULES OF THE ROAD"

The Coast Guard encourages all boat operators to familiarize themselves with navigation rules which govern the conduct of all vessels on international and inland waters. These rules establish navigation lights and dayshapes and actions to be taken by vessels to avoid collision. When marine accidents involving vessels occur, liability is apportioned based on adherence to the 38 collision avoidance rules found in this publication.

88.05 of Title 33 Code of Federal Regulations requires the operator of each self-propelled vessel of 12 meters or more in length to carry on board and maintain for ready reference a copy of the "rules of the road". Operators are liable to a civil penalty for failure to comply with this requirement. The vessel operator is responsible for knowing, understanding and following the applicable navigation rules.

The International Rules are applicable on waters outside of established navigation lines of demarcation. These lines are called COLREGS Demarcation Lines and delineate those waters where mariners shall comply with either the International or Inland Rules. The demarcation lines are printed on most navigation charts and published in the Navigation Rules.

The public may purchase copies of the NAVIGATIONAL RULES (Commandant Instruction M16672.2D) from the Government Printing Office. Copies may be ordered from:

Superintendent of Documents
U S Government Printing Office
Washington DC 20402

The stock number is 050-012-00205-3, and the cost is \$6.00 each.

9) CORRECTIONS TO NAUTICAL CHARTS

Mariners are requested to report errors and omissions noted on National Ocean Service charts so that corrections can be made on future editions. Uncharted discrepancies such as shoals, rocks, prominent landmarks, or marine construction, should be reported to:

Commander (oan)
Eleventh Coast Guard District
Coast Guard Island, Bldg. 50-3
Alameda, CA 94501-5100
(510) 437-2976

or

National Ocean Service, NOAA (N/CS 26)
1315 East-West Highway, Station 7349
Silver Spring, MD 20910-3282
Fax: (301) 731-4516
Internet: Lynn.Preston@noaa.gov

10) NAUTICAL CHART SYMBOLS AND ABBREVIATIONS

Chart No. 1 Nautical Chart Symbols, Abbreviations and Terms is a reference publication depicting basic chart elements and explains nautical chart symbols and abbreviations associated with National Ocean Service the National Imagery and Mapping Agency charts. It is a valuable aid for new chart users and a useful tool for all mariners. Chart No.1 is out of stock through the FAA Distribution Division although authorized sales agents may have limited supplies. It will be available soon from the Government Printing Office or you may view/download it from the National Imagery and Mapping Agency at <http://chartmaker.ncd.noaa.gov/mcd/chartno1.htm>.

11) IMPLEMENTATION OF NORTH AMERICAN DATUM OF 1983 (NAD 83)

Nautical charts presently are constructed based on one of a number of horizontal datums which are adopted to best represent individual regions around the world. Charts of the United States are currently referenced to datums such as the North American Datum of 1927 (NAD 27), Puerto Rican (PR) Datum, Old Hawaiian Datum, and others. Through the use of satellites and other modern surveying techniques, it is now possible to establish global reference systems. This revised reference grid is called the North American Datum of 1983 (NAD 83).

Mariners are cautioned that direct readout navigation systems provide latitude and longitude referenced to a specific datum. A navigation receiver referencing NAD 27 and used in conjunction with a NAD 83 chart will produce an error in position of approximately the average shift value published on the chart. For maximum accuracy in navigation, mariners using LORAN should plot positions using time delays to avoid reference to specific datums. Global Positioning receivers (GPS) give positions in NAD 83.